

Attachment C
Position Descriptions

Minimum Qualifications

Professional personnel used in the performance of this requirement, as a minimum and unless otherwise specified, possess a bachelor's degree from an accredited college or university. The degree must be directly related to, or provide a clear foundation for, the category of work for which the individual is assigned responsibility. Additionally, the individual must possess a minimum of three years professional experience in the category of work to which assigned.

Demonstrated experience and effective performance may be substituted for education based on two years of experience for one year of education. Years of relevant experience substituted for the education requirements are in addition to the stated years of experience identified for each position. Full-time graduate education may be substituted for experience year for year, provided it is directly related to the classification of labor proposed.

1. Project Manager (Key)

The Project Manager is an engineer or scientist who has experience and demonstrated capabilities in planning, organizing, and directing projects in diversified technical fields. The individual must have an engineering or basic science degree plus 20 years experience directly related to radioisotope/space reactor power systems.

2. Senior Engineers/Scientists (Key)

Senior (mid-level to top-level) engineers and/or scientists, with at least five years experience in the general area of radioisotope/space reactor power systems, are required to use judgment and creativity to evaluate and assess complex technical problems in areas including: radioisotope/nuclear heat source and converter design; heat transfer; thermodynamics; metallurgy; nuclear safety; and computer modeling applications. The individuals should have an advanced engineering or basic science degree and must have demonstrated a thorough understanding of engineering concepts, practices, and principles related to radioisotope/space reactor power systems. Expertise in thermoelectric power conversion is highly desirable. These personnel should understand the requirements of systems integration including integration with spacecrafts and the importance of timely interaction between contractors and laboratories to the successful and timely completion of programs.

3. Engineers and/or Scientists

Low-level to mid-level engineers and/or scientists, with at least three years experience in the general area of radioisotope radioisotope/space reactor nuclear power systems, will use creativity and judgment in assessing complex problems in areas including: nuclear heat source and converter design; heat transfer; thermodynamics; metallurgy; nuclear safety; and computer modeling applications. Personnel in these positions do not necessarily have the advanced education or extensive experience of senior professionals.

4. Facility Security Officer

The on-site Facility Security Officer shall be qualified and certified to ensure that all personnel have the proper clearances and utilize safeguard requirements for the storage and handling of classified materials. The Facility Security Officer shall prepare and maintain an approved facility security plan and provide direct oversight/assessment of daily operations at the contractor facility to ensure that contractor activities will pass periodic surveys by DOE. The contractor shall have personnel capable with the authority of Derivative Declassification and Secret Derivative Classification.

5. On-Site Advisors

On-site advisors will be located at various site/contractor facilities and be required for a time interval to be determined by NE-34. The on-site advisors shall observe, evaluate, and report the results of their assessments to NE-34 on an as required basis. On-site advisors shall be senior level engineers and/or scientists, with experience in the applicable area of radioisotope/space reactor power systems and will be well knowledgeable of the activities being performed at the location unless otherwise approved by NE-34.

6. Administrative Assistant

Administrative assistance personnel support the assignments of the scientific and technical personnel. Their duties may include on-technical writing, word processing, typing, proofreading, graphics, and reference checking.